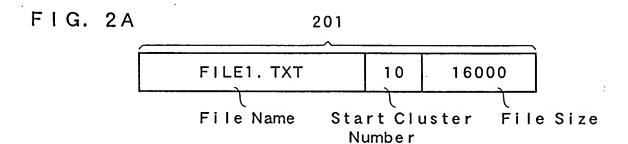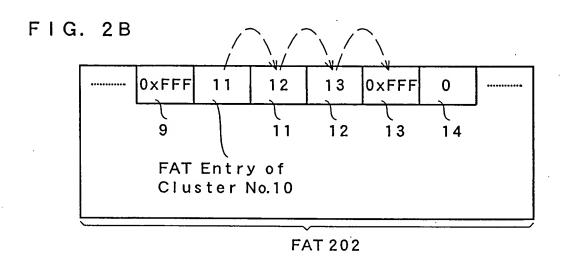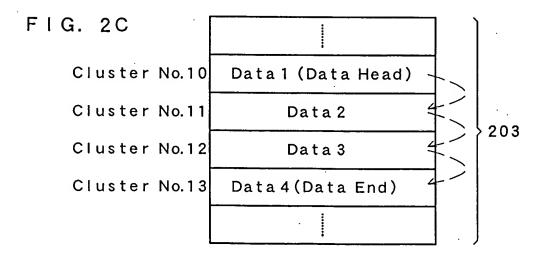Replacement Sheet 1 of 4
Applicants: Takuji MAEDA et al.
Title: DATA AREA MANAGING METHOD IN
       INFORMATION RECORDING MEDIUM
       AND INFORMATION PROCESSOR
       EMPLOYING DATA AREA MANAGING
       METHOD
January 17, 2006
Docket No. 0074/062001

F I G. 2 A

201

FILE1. TXT	10	16000
File Name	Start Cluster Number	File Size

F I G. 2 B

··········	0xFFF	11	12	13	0xFFF	0	··········
	9		11	12	13	14	

FAT Entry of
Cluster No.10

FAT 202

F I G. 2 C

	⋮
Cluster No.10	Data 1 (Data Head)
Cluster No.11	Data 2
Cluster No.12	Data 3
Cluster No.13	Data 4 (Data End)
	⋮

203

Replacement Sheet 2 of 4
Applicants: Takuji MAEDA et al.
Title: DATA AREA MANAGING METHOD IN
      INFORMATION RECORDING MEDIUM
      AND INFORMATION PROCESSOR
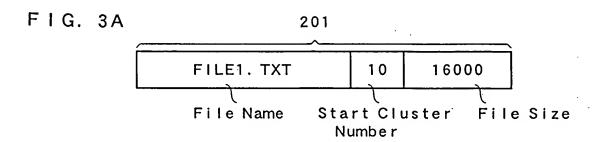   EMPLOYING DATA AREA MANAGING
      METHOD
January 17, 2006
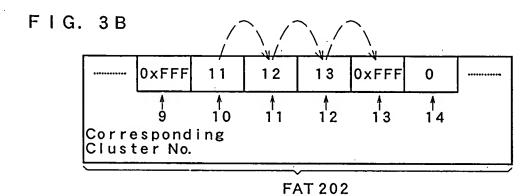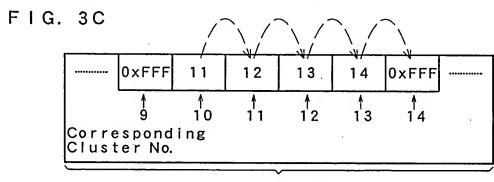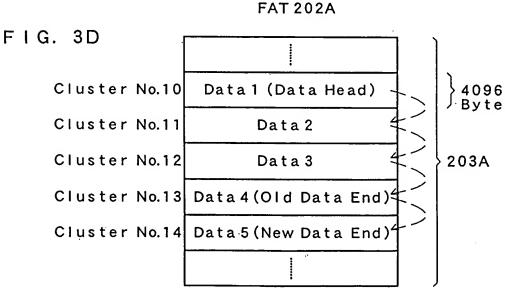Docket No. 0074/062001

F I G. 3A

201

| FILE1. TXT | 10 | 16000 |

File Name　　　Start Cluster　　File Size
　　　　　　　　　　Number

F I G. 3B

| 0xFFF | 11 | 12 | 13 | 0xFFF | 0 |

9　　10　　11　　12　　13　　14

Corresponding
Cluster No.

FAT 202

F I G. 3C

| 0xFFF | 11 | 12 | 13 | 14 | 0xFFF |

9　　10　　11　　12　　13　　14

Corresponding
Cluster No.

FAT 202A

F I G. 3D

Cluster No.10	Data 1 (Data Head)
Cluster No.11	Data 2
Cluster No.12	Data 3
Cluster No.13	Data 4 (Old Data End)
Cluster No.14	Data 5 (New Data End)

4096
Byte

203A

F I G. 5A

501

Cache Block 1	} 32 Sectors
Cache Block 2	} 1 Sector
Cache Block 3	} 1 Sector
Cache Block 4	} 32 Sectors
Free Area	

F I G. 5B

502

	Block Start Address	FAT Address	FAT Size	Update Flag
Block 1	1st Sector	1st Sector	22 Sectors	1 (Y)
Block 2	33rd Sector	60th Sector	1 Sector	0 (N)
Block 3	34th Sector	61st Sector	1 Sector	0 (N)
Block 4	35th Sector	23rd Sector	32 Sectors	1 (Y)
Block 5	0xFFFF Sec.	0xFFFF Sec.	0xFFFF Sec.	0 (N)

FIG. 9A

901

Cache Block R1	} 1 Sector
Cache Block R2	} 1 Sector
⋮	
Cache Block RM	} 1 Sector

902

Cache Block W1	} 32 Sectors
Cache Block W2	} 32 Sectors
⋮	
Cache Block WN	} 32 Sectors

FIG. 9B

903

	FAT Address	FAT Size	Update Flag
Block R1	60th Sector	1 Sector	0 (N)
Block R2	61st Sector	1 Sector	0 (N)
⋮	⋮	⋮	⋮
Block RM	0xFFFF Sec.	0xFFFF Sec.	0 (N)
Block W1	1st Sector	22 Sectors	1 (Y)
Block W2	23rd Sector	32 Sectors	1 (Y)
⋮	⋮	⋮	⋮
Block WN	0xFFFF Sec.	0xFFFF Sec.	0 (N)